July 18, 2012

NEI Introduces NANOMYTE® MerGon FG – A New and Efficient Sorbent for Mercury Removal

Somerset, NJ – NEI Corporation announced today that it has completed the demonstration of a line of non-brominated sorbents for the removal of mercury (Hg) from flue gas. The combustion exhaust gas produced by many coal-fired power plants contains mercury, a toxic pollutant that can cause impaired neurological development and damage to the gastrointestinal tract and kidney. The NANOMYTE® MerGon FG sorbents are designed to meet and exceed the EPA's new Mercury and Air Toxics Standards (MATS) for coal and oil-fired power plants. MerGon FG is produced using conventional chemical processes, and is based upon low-cost, powdered activated carbon. In field trials performed in coal fired power plant slip streams, using baghouse and electrostatic precipitator (ESP) configurations, the MerGon FG sorbents perform at least as good as or better than advanced brominated activated carbons used for Hg removal today. The field studies also show that the performance of MerGon FG with sulfur containing coal was better than that of brominated activated carbon. NANOMYTE® MerGon FG sorbents contain no halogens or precious metals. They are fly ash compatible, concrete friendly, and are expected to be cost competitive.

NEI is seeking licensing and manufacturing partners for its patent pending NANOMYTE® MerGon FG high performance sorbents for mercury (Hg) removal from flue gas. Ganesh Skandan, CEO of NEI Corporation, noted that "by eliminating the corrosion associated with halogenated sorbents and employing the fly ash in concrete, these novel sorbents can enable a lower total cost per pound of Hg removed."

NEI Corporation also offers NANOMYTE® MerGon AG and FP, a patented line of sorbents for removing mercury from contaminated waters. MerGon sorbents were developed with funding from the United States Department of Energy's Small Business Innovative Research Program.

About NEI Corporation

Founded in 1997, NEI (www.neicorporation.com) develops, manufactures, and distributes nanoscale materials for a broad range of industrial customers around the world. NEI's products include advanced protective coatings, high performance battery electrode materials, and specialty nanoscale materials for diverse applications. NEI has created a strong foundation in the emerging field of nanotechnology that has enabled the company to become a leader in selected markets. The company headquarters is based in Somerset, NJ.

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